

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-68 (Cancelled)

Claim 69 (New) An edible-oil composition produced by culturing a producer microorganism belonging to the genus *Mortierella* in a fermentor with aeration in the presence of a nitrogen source.

Claim 70 (New) An edible-oil composition according to claim 69, wherein said oil comprises a 24,25-methylenecholest-5-en-3 β -ol compositional ratio in a proportion of 1.2 or less with respect to the desmosterol compositional ratio, and an arachidonic acid content of 30 to 50%.

Claim 71 (New) An edible-oil composition according to claim 69, wherein said oil comprises a 24,25-methylenecholest-5-en-3 β -ol compositional ratio of 35% or lower, a 24,25-methylenecholest-5-en-3 β -ol compositional ratio in a proportion of 1.2 or less with respect to the desmosterol compositional ratio, and an arachidonic acid content of 30 to 50%.

Claim 72 (New) An immature infant formula, infant formula, baby food or pregnancy food product comprising an edible-oil composition according to claim 69.

Claim 73 (New) An edible-oil composition according to claim 69, wherein said oil comprises a 24,25-methylenecholest-5-en-3 β -ol compositional ratio of 35% or lower, and an arachidonic acid content of 30 to 50%.

Claim 74 (New) An edible-oil composition according to claim 69, wherein said oil is obtained from a microorganism belonging to the genus *Mortierella* subgenus *Mortierella*.

Claim 75 (New) A nutritive dietary supplement comprising an edible-oil composition according to claim 69.

Claim 76 (New) A method for producing an edible-oil composition according to claim 69, wherein said producer microorganism is cultured in a fermentor with aeration in a medium containing a nitrogen source derived from soybean.

Claim 77 (New) The method according to claim 76, wherein said nitrogen source has a nitrogen content of at least 2 wt% with respect to the nitrogen source except for water.

Claim 78 (New) The edible-oil composition according to claim 70, wherein said oil has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio in a proportion of 0.9 or less with respect to the desmosterol compositional ratio.

Claim 79 (New) The edible-oil composition according to claim 71, wherein said oil has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio of 35% or lower, and

has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio in a proportion of 0.9 or less with respect to the desmosterol compositional ratio.

Claim 80 (New) The edible-oil composition according to claim 71, wherein said oil has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio of 33% or lower, and

has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio in a proportion of 0.9 or less with respect to the desmosterol compositional ratio.

Claim 81 (New) The edible-oil composition according to claim 71, wherein said oil has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio of 30% or lower, and

has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio in a proportion of 0.9 or less with respect to the desmosterol compositional ratio.

Claim 82 (New) The edible-oil composition of claim 78, wherein said oil has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio in a proportion of 0.6 or less with respect to the desmosterol compositional ratio.

Claim 83 (New) The edible-oil composition of claim 79, wherein said oil has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio of 35% or lower, and

has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio in a proportion of 0.6 or less with respect to the desmosterol compositional ratio.

Claim 84 (New) The edible-oil composition of claim 79, wherein said oil has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio of 33% or lower, and

has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio in a proportion of 0.6 or less with respect to the desmosterol compositional ratio.

Claim 85 (New) The edible-oil composition of claim 79, wherein said oil has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio of 30% or lower, and

has a 24,25-methylenecholest-5-en-3 β -ol compositional ratio in a proportion of 0.6 or less with respect to the desmosterol compositional ratio.

Claim 86 (New) An animal food comprising the edible oil according to claim 69.